

09415639 ASH SPRINGS DIVERSION AT ASH SPRINGS, NV

LOWER COLORADO RIVER BASIN-LAKE MEAD, WHITE RIVER BASIN

LOCATION.--Lat 37°27'35.5", long 115°11'35.7" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.1, T.6 S., R.60 E., Lincoln County, Hydrologic Unit 15010011, On left bank at culvert south of main culvert and gage below U.S. Highway 93 at Ash Springs.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Dec 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8.6 ft³/s, July 15, 2004, gage height 3.83 ft; minimum daily, 1.2 ft³/s, Jan 4, 2004.

EXTREMES FOR CURRENT YEAR.--Dec to Sep 2004: Maximum discharge, 8.6 ft³/s, July 15, gage height, 12.55 ft, minimum daily, 1.2 ft³/s, many days.
Water year 2005: Maximum discharge, 6.6 ft³/s, Aug 29, gage height, 12.10 ft, minimum daily, 1.5 ft³/s, several days in Oct.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	1.3	1.3	1.3	1.7	2.0	2.6	2.9	1.2	e1.2
2	---	---	---	1.3	e1.3	1.3	1.8	2.3	2.5	2.8	1.8	e1.2
3	---	---	---	1.3	e1.3	1.3	4.2	2.5	2.6	2.8	4.8	e1.2
4	---	---	---	1.2	1.3	e1.3	5.7	2.5	2.7	2.8	2.4	e1.2
5	---	---	---	1.2	1.3	e1.3	5.7	2.3	5.2	3.1	2.8	e1.2
6	---	---	---	1.2	1.2	1.3	5.7	2.2	4.3	3.1	e1.2	e1.2
7	---	---	---	1.2	e1.3	1.3	4.4	2.1	3.5	3.2	e1.2	e1.2
8	---	---	---	1.2	e1.3	1.3	1.5	2.4	2.7	3.2	e1.2	e1.2
9	---	---	---	1.2	e1.3	1.3	1.6	2.5	2.7	3.2	e1.2	e1.2
10	---	---	---	1.3	e1.3	1.4	1.7	2.7	2.8	e3.1	e1.2	e1.2
11	---	---	---	1.3	e1.3	1.5	1.7	3.1	2.8	e3.1	e1.2	e1.2
12	---	---	1.3	1.3	e1.4	1.5	1.8	3.0	2.8	e3.1	e1.2	e1.2
13	---	---	1.4	1.2	e1.4	1.5	1.9	2.8	2.7	e3.1	e1.2	e1.2
14	---	---	1.5	1.2	e1.4	1.5	2.1	2.5	2.8	e3.1	e1.2	e1.2
15	---	---	1.5	1.3	e1.4	1.4	2.2	1.9	2.8	e3.1	e1.2	e1.2
16	---	---	1.4	1.3	e1.4	1.5	2.2	4.6	2.7	e3.0	e1.2	e1.2
17	---	---	1.4	1.3	e1.4	1.6	2.2	1.9	2.6	e3.0	e1.2	e1.2
18	---	---	1.4	1.2	e1.4	1.6	2.1	2.2	2.5	e3.0	e1.2	e1.2
19	---	---	1.4	1.3	e1.4	1.7	2.1	2.3	2.4	e3.0	e1.2	e1.2
20	---	---	1.4	1.3	e1.4	1.8	2.0	2.4	2.6	e3.0	e1.2	e1.2
21	---	---	1.4	1.3	e1.5	1.8	1.9	2.4	2.6	e2.9	e1.2	1.2
22	---	---	1.3	1.3	e1.5	1.8	1.9	2.4	2.6	e2.8	e1.2	1.2
23	---	---	1.3	1.3	1.5	1.8	1.9	2.4	2.6	e2.7	e1.2	1.2
24	---	---	1.3	e1.3	1.4	1.9	2.0	2.4	2.6	e2.4	e1.2	1.2
25	---	---	1.4	e1.3	1.5	1.8	1.9	2.4	2.7	2.0	e1.2	1.3
26	---	---	1.5	1.3	1.5	1.8	2.0	2.4	2.7	1.7	e1.2	1.4
27	---	---	1.4	1.2	e1.4	1.7	2.2	2.5	3.1	1.4	e1.2	1.4
28	---	---	1.3	1.2	e1.4	1.7	2.2	2.5	6.4	1.3	e3.0	1.6
29	---	---	1.3	1.4	1.3	1.7	1.9	2.5	5.5	1.2	6.9	1.5
30	---	---	1.3	1.4	---	1.7	1.9	2.6	4.6	1.2	e1.2	1.5
31	---	---	1.3	1.4	---	1.6	---	2.6	---	1.2	e1.2	---
Total	---	---	---	39.5	39.8	48.0	74.1	77.3	93.7	81.5	51.7	37.5
Mean	---	---	---	1.27	1.37	1.55	2.47	2.49	3.12	2.63	1.67	1.25
Max	---	---	---	1.4	1.5	1.9	5.7	4.6	6.4	3.2	6.9	1.6
Min	---	---	---	1.2	1.2	1.3	1.5	1.9	2.4	1.2	1.2	1.2
Ac-ft	---	---	---	78	79	95	147	153	186	162	103	74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	1.27	1.37	1.55	2.47	2.49	3.12	2.63	1.67	1.25
Max	---	---	---	1.27	1.37	1.55	2.47	2.49	3.12	2.63	1.67	1.25
(WY)	(---	(---	(---	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
Min	---	---	---	1.27	1.37	1.55	2.47	2.49	3.12	2.63	1.67	1.25
(WY)	(---	(---	(---	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.5	e2.0	3.5	3.1	e3.2	e3.1	e3.4	3.4	3.1	3.2	3.0	3.0
2	1.5	e2.0	3.5	3.2	e3.2	e3.1	e3.4	3.4	3.1	3.3	3.4	2.8
3	1.5	2.1	3.2	3.2	e3.2	e3.1	e3.5	3.3	3.1	3.7	4.9	2.8
4	1.6	2.1	3.0	3.3	e3.2	e3.1	e3.5	3.3	3.1	3.7	2.8	3.0
5	1.6	2.0	3.3	3.2	e3.2	e3.1	e3.6	3.3	3.1	3.7	2.8	3.0
6	1.6	2.1	3.2	3.2	e3.2	e3.1	e3.6	3.3	3.1	3.7	2.8	3.1
7	1.7	2.4	3.3	3.2	e3.2	e3.1	e3.7	3.5	3.1	3.7	3.0	2.9
8	1.6	3.4	3.3	3.2	e3.2	e3.1	e3.8	3.4	3.1	3.7	3.0	2.7
9	1.6	3.2	3.1	e3.2	e3.2	e3.1	e3.9	3.3	3.0	3.5	3.1	2.6
10	1.7	2.9	3.1	e3.2	e3.2	e3.1	e3.9	3.3	2.9	3.5	3.6	2.6
11	1.6	2.8	3.2	e3.2	e3.2	e3.2	e3.9	3.2	2.9	3.4	3.3	3.0
12	1.6	3.1	3.3	e3.2	e3.2	e3.2	e4.0	3.1	2.8	3.4	3.3	2.7
13	1.6	3.1	3.3	e3.2	e3.2	e3.2	4.0	3.1	2.8	3.4	3.3	2.6
14	1.6	3.1	3.3	e3.2	e3.1	e3.2	e3.9	4.4	2.9	3.5	3.0	2.5
15	1.9	3.1	3.3	e3.1	e3.1	e3.2	e3.8	3.0	3.2	3.5	2.9	2.4
16	4.4	3.0	3.3	e3.1	e3.1	e3.2	e3.7	3.1	3.3	3.5	2.9	2.4
17	5.5	2.9	3.2	e3.0	e3.0	e3.2	e3.6	3.2	3.4	4.0	2.9	2.4
18	3.4	2.9	3.3	e3.2	e3.0	e3.2	e3.5	3.1	3.4	5.1	2.7	2.3
19	1.5	2.9	3.2	e3.2	e3.0	e3.2	3.4	3.2	3.4	2.8	2.7	2.1
20	1.7	3.0	3.1	e3.1	e3.0	3.2	3.3	3.3	3.4	2.8	2.7	1.9
21	1.7	3.1	3.1	e3.1	e3.0	e3.3	3.3	3.3	3.4	3.0	2.8	1.7
22	1.7	3.1	3.0	e3.0	e3.0	e3.3	3.2	3.5	3.4	3.0	2.8	1.7
23	1.7	3.1	3.0	e3.0	e3.0	e3.3	3.1	3.5	3.4	3.0	2.9	1.7
24	1.8	3.0	2.9	e3.0	e3.0	e3.3	3.2	3.6	3.4	3.0	3.0	1.7
25	1.8	3.1	2.9	e3.0	e3.0	e3.3	3.1	3.5	3.4	3.0	2.8	1.6
26	1.8	3.0	2.9	e3.0	e3.0	e3.3	3.1	3.4	3.3	3.0	2.9	1.6
27	1.7	3.1	2.9	e3.0	e3.1	e3.3	3.2	3.5	4.9	3.0	3.1	1.6
28	1.9	3.1	2.9	e3.0	e3.1	e3.3	3.2	3.5	3.1	3.0	3.4	1.6
29	e1.9	3.0	3.1	e3.1	---	e3.3	3.2	3.5	3.1	3.0	4.7	1.9
30	e1.9	3.7	3.0	e3.1	---	e3.3	3.4	3.3	3.1	3.0	3.1	4.7
31	e1.9	---	3.0	e3.1	---	e3.4	---	3.3	---	3.0	3.0	---
Total	60.5	85.4	97.7	96.9	87.1	99.4	105.4	104.1	96.7	104.1	96.6	72.6
Mean	1.95	2.85	3.15	3.13	3.11	3.21	3.51	3.36	3.22	3.36	3.12	2.42
Max	5.5	3.7	3.5	3.3	3.2	3.4	4.0	4.4	4.9	5.1	4.9	4.7
Min	1.5	2.0	2.9	3.0	3.0	3.1	3.1	3.0	2.8	2.8	2.7	1.6
Ac-ft	120	169	194	192	173	197	209	206	192	206	192	144

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.95	2.85	3.15	2.20	2.23	2.38	2.99	2.93	3.17	2.99	2.39	1.84
Max	1.95	2.85	3.15	3.13	3.11	3.21	3.51	3.36	3.22	3.36	3.12	2.42
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	1.95	2.85	3.15	1.27	1.37	1.55	2.47	2.49	3.12	2.63	1.67	1.25
(WY)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2004 - 2005	
Annual total	786.7		1,106.5			
Annual mean	2.15		3.03		3.03	
Highest annual mean					3.03	2005
Lowest annual mean					3.03	2005
Highest daily mean	6.9	Aug 29	5.5	Oct 17	6.9	Aug 29, 2004
Lowest daily mean	1.2	Jan 4	1.5	Oct 1	1.2	Jan 4, 2004
Annual seven-day minimum	1.2	Aug 6	1.6	Oct 1	1.2	Aug 6, 2004
Maximum peak flow			6.6	Aug 29	8.6	Jul 15, 2004
Maximum peak stage			12.10	Aug 29	12.55	Jul 15, 2005
Annual runoff (ac-ft)	1,560		2,190		2,200	
10 percent exceeds	3.2		3.5		3.5	
50 percent exceeds	1.9		3.1		3.1	
90 percent exceeds	1.2		1.9		1.9	